

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
9 June 2005 (09.06.2005)

PCT

(10) International Publication Number  
**WO 2005/051364 A1**

(51) International Patent Classification<sup>7</sup>: **A61K 9/48**

[KR/KR]; Doosan Apt. 115-603, 986-1 Dogok-ri, Wa-  
boo-eup, Namyangjoo-shi, 472-900 Gyeonggi-do (KR).

(21) International Application Number:  
PCT/KR2003/002637

(74) Agent: **KIM, Seog-Hyun**; 9th Floor, Daekyung Building,  
120, 2-ka, Taepyung-ro, Chung-ku, 100-724 Seoul (KR).

(22) International Filing Date: 3 December 2003 (03.12.2003)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:  
10-2003-0084391  
26 November 2003 (26.11.2003) KR

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK,  
LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX,  
MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,  
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,  
VC, VN, YU, ZA, ZM, ZW.

(71) Applicant (*for all designated States except US*): **CHA,  
Young-Soo** [KR/KR]; 225-11, 3Ga, Eulchi-Ro, Chung-Gu,  
Seoul 100-193 (KR).

(84) Designated States (*regional*): ARIPO patent (BW, GH,  
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,  
SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,  
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant and

(72) Inventor: **PARK, Hyun-Jin** [KR/KR]; Dongsung Apt.  
105-702, 817 Banghwa-dong, Gangseo-gu, 157-223 Seoul  
(KR).

(72) Inventor; and

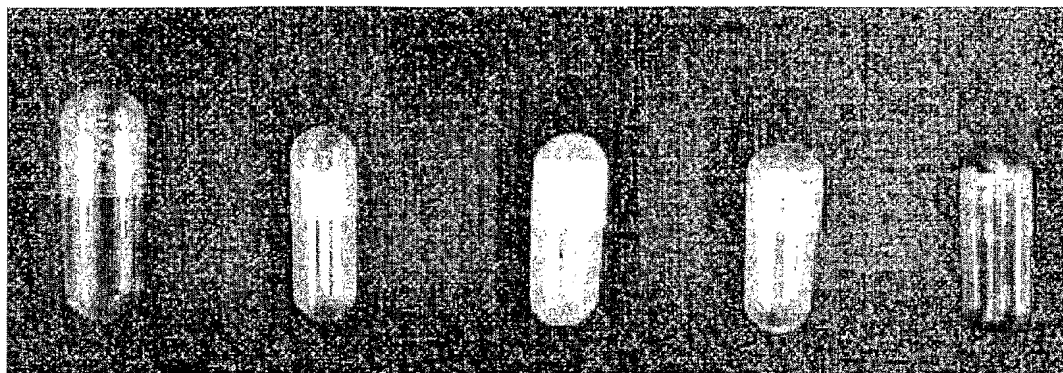
(75) Inventor/Applicant (*for US only*): **BAE, Ho-Jae**

Published:

— with international search report

[Continued on next page]

(54) Title: FILM-FORMING COMPOSITION SUITABLE FOR HARD CAPSULES AND METHOD FOR PREPARING THE SAME



(57) Abstract: The present invention relates to a film-forming composition suitable for hard capsules, and a preparation method thereof. More particularly, the invention relates to a film-forming composition for hard capsules, comprising 7-12% by weight of starch, 1-6% by weight of a plasticizer, 0.7-3% by weight of a gelling agent, and 79-91.3% by weight of water, and a preparation method thereof. Also, the invention relates to films and hard capsules comprising the composition. The inventive composition, and the hard capsules and films comprising the same, will be useful in various industrial fields, including pharmaceutical field and food field.

WO 2005/051364 A1



---

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*